

THIRD-ORDER LEVELING
SEA LEVEL DATUM OF 1929

37-085-34
MUNFORDVILLE QUADRANGLE
98 KENTUCKY
N3715-48545/15
DIAGRAM NJ 16-9
WINCHESTER

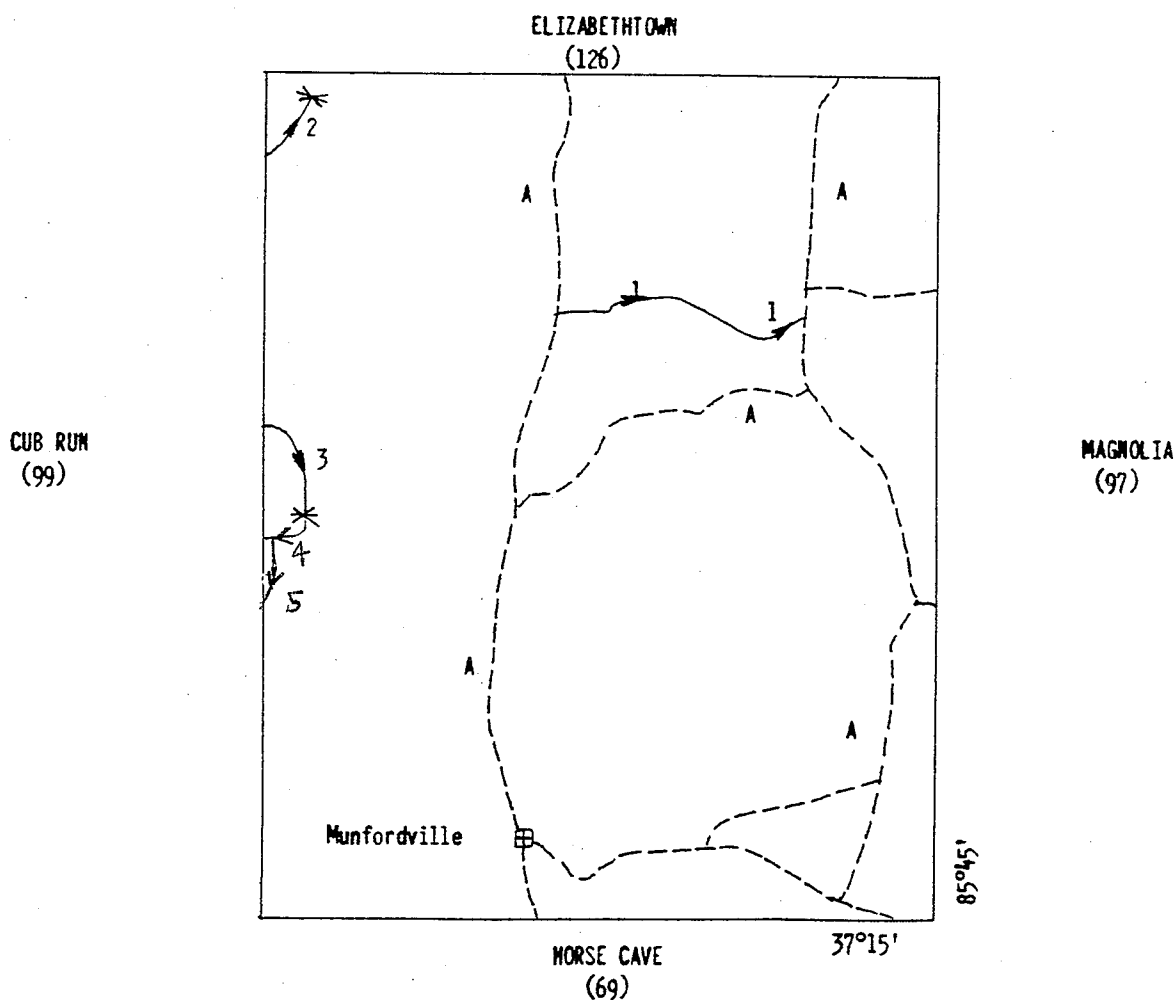
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Hardin, Hart and Larue Counties

Final adjustment of 1952

Edition of 4/12/74

PR: WSM/mjh



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370853

* Tied to isolated bench mark

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>	<u>MARK (USGS)</u>	<u>PAGE NO.</u>
G 8 23 KY	3	P 7 1928	4
PTS NO 23 Y 1922 KY McM 43	4	P 8 1928	4
PTS NO 27 Y 1922 KY McM 46	4, 4	P 10 1928	3
PTS NO 29 1922 Y KY G 7 23	3	TT 29 TN 1933 783	4
McM 44 1922	3	TT 30 TN 1933 816	4
McM 47 1922 KY	3		
P 1928	3	<u>NGS</u>	
P 1 1928	3		
P 2 1928	3	T 6 1921	4
P 3 1928	3		
P 4 1928	3		
P 5 1928	3		
P 6 1928	3		

ISOLATED BENCH MARKS (By F. J. MacMaugh, 1922; Book B 1340; T. A. Green, 1923; Book B 1584; S. L. Parker, 1928; Book B 2877)

Feet

Upton, 2.8 mi W. of; 360 ft SE. of residence of Dave Miller; 180 ft N. of red barn on E. side of rd.; 40 ft E. of rd.; inside and 20 ft E. of wire fence; in limestone outcrop; standard tablet stamped "McM 44 1922"	743.925
Camp Ground School, 0.2 mi E. of; 3.1 mi E. of Princeville; 24 ft NE. of summit of rd.; 35 ft SE. of rd.; close to wire fence; in rock outcrop; standard tablet stamped "McM 47 1922 KY" (Reported destroyed, 1967)	690.763
Kessinger, 0.3 mi W. of post office; 550 ft NW. of forks of rd.; 100 ft S. of schoolhouse; on SW. side of rd.; in concrete post; standard tablet stamped "PRIM TRAV STA NO 29 1922 Y KY G 7 23"	966.818
Kessinger, 2.4 mi E. of post office; 60 ft W. of old stone quarry; 15 ft N. of rd.; in large limestone outcrop; standard tablet stamped "G 8 23 KY"	734.079
Woodsonville, 2.5 mi E. of; 800 ft E. of rd. S. to Richardson School; 140 ft SW. of residence of Porter Houks; 115 ft S. of rd.; in field on E. side of small sink hole; in top of limestone outcrop; standard tablet stamped "P 2 1928"	592.175
Hardyville, 0.2 mi NW. of, 36 ft S. and 30 ft W. of junction of Marrow gravel rd. W.; 42 ft NNW. of N. corner of house; 26 ft NW. of 30-in. mulberry tree; in concrete post projecting 8-in.; standard tablet stamped "P 3 1928" (Tied by NGS, 1951)	689.484
Hardyville, 1.9 mi NE. of; 670 ft due N. of house (formerly the Stringtown School); 125 ft E. of rd.; 120 ft NW. of small pond 150 ft across; in top of limestone boulder 4.7 ft in diameter and practically embedded in soil; standard tablet stamped "P 4 1928" (moved by D. C. Antrobus, 3/5/34)	611.222
Canner, 1.7 mi N. of along Jackson Highway; 0.6 mi S. of bridge over Green River; 0.25 mi N. of sharp curve in rd.; on E. side of rd.; 60 ft NE. of center of hwy. and midpoint of drain pipe under hwy., in limestone ledge; standard tablet stamped "P 5 1928"	587.114
Linwood, 0.35 mi N. of post office, along U. S. Highway 31E; at junction of rd. W.; 76 ft W. of centerline of hwy.; 28 ft S. of centerline of rd. W.; 57.5 ft NE. of NE. corner of house; 66 ft ENE. of drilled well; 7.5 ft SE. of 40-in. maple tree; 47.5 ft WSW. of concrete hwy. marker post; about 10 ft above hwy.; in limestone post flush with ground; standard tablet stamped "G P 1928" (Tied by NGS, 1951)	669.461
Pike View; at SW. corner of crossroads; in top and at W. end of third concrete step leading to front entrance of V. H. Towles general merchandise store; standard tablet stamped "P 1928" (Reported disturbed, 1955)	826.853
Pike View, 3.3 mi N. of, along Jackson Highway; 0.5 mi S. of Larue-Hart County line; at NW. corner of rd. forks; in top of stone, 1 ft by 0.8 ft at top, set in place; standard tablet stamped "P 10 1928" (Reported destroyed, 1954)	838.622
Bonnieville, 3.5 mi SE. of; on W. side of Frenchman's Knob; 81 ft N. of gateway and lane leading SW. to Ellen Edsell's farmhouse; 700 ft S. of rd. forks in edge of woods along side of cleared field; 12 ft E. of center of rd.; in top of sandstone boulder; 3.5 ft in diameter; standard tablet stamped "P 1 1928"	918.792

ISOLATED BENCH MARKS (Cont'd.)Feet

Bird School, 1.2 mi N. of; 6.0 mi SE. of Bonnieville, thence 1.2 mi N. of; 6.0 mi SE. of Bonnieville, thence 1.0 mi NE. along Bardstown Road; 50 ft S. of rd. forks; 20 ft W. of rd.; in top of limestone outcrop; standard tablet stamped "P 7 1928"

680.437

Pike View, 2.8 mi W. of; in NE. corner of crossroads; 30 ft NE. of center of intersection of rds.; in top of stone 0.7 ft by 1.1 ft at top; set in place; standard tablet stamped "P 8 1928"

823.524

LINE 1.

By D. C. Antrobus, 1934; Book B 5085

"T 6 1921" (NGS) (Not found, 1952)

684.805

Hammonville, 3.0 mi W. of; 4.0 mi SE. of Upton; 30 ft S. of rd.; 30 ft E. of NE. corner of barn on top of hill; 400 ft NE. of house owned by Jack Morris; in top of limestone rock; standard tablet stamped "T 29 TN 1933 783"

783.320

Reference mark; 80 ft E. of tablet; 15 ft S. of rd.; on large limestone rock; chiseled square

775.27

Hammonville, 1.8 mi N. of, along State Highway 357, from Baptist Church and Cemetery; 0.5 mi N. of Larue-Hart County line; 28 ft S. and 20 ft E. of, and 1 ft lower than centerline of hwy. at junction of graveled rd. E.; 58 ft W. of 24-in. ash tree near W. bank of large pond; 3 ft W. of fence corner, 1 ft S. of white witness post; in concrete post; standard tablet stamped "T 30 TN 1933 816" (Tied by NGS, 1951)

815.891

LINE 2.

By J. D. Nikolaus, 1951; Book AV 254

U. E., Seven Corners; 15 ft SW. of SW. corner of triangle formed by rd. forks; on large limestone boulder; chiseled square

736.07

Melrose, on E. side of rd., 42 ft E. of SE. corner of Meredith store, 16.5 ft SW. of SW. corner of barn, in limestone outcrop; standard tablet stamped "PRIM TRAV STA NO 23 Y 1922 KY McM 43"

673.050

LINE 3.

By J. D. Nikolaus, 1951; Book AV 254

Priceville, in NW. corner of yard of Brook Craddock, 30 ft SE. of T-rd. NW., 1 ft from corner fence post, in concrete post; standard tablet stamped "PRIM TRAV STA NO 27 Y 1922 KY McM 46"

620.728

LINE 4.

By J. D. Nikolaus, 1951, Book AV 254

"PTS 27 Y 1922 KY McM 46" (described in line 3)

620.728

LINE 5.

By J. D. Nikolaus, 1951; Book AV 254

No permanent marks in this line.

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

37-085-34
MUNFORDVILLE QUADRANGLE
98 KENTUCKY
N3715-W8545/15
DIAGRAM NJ 16-9
WINCHESTER

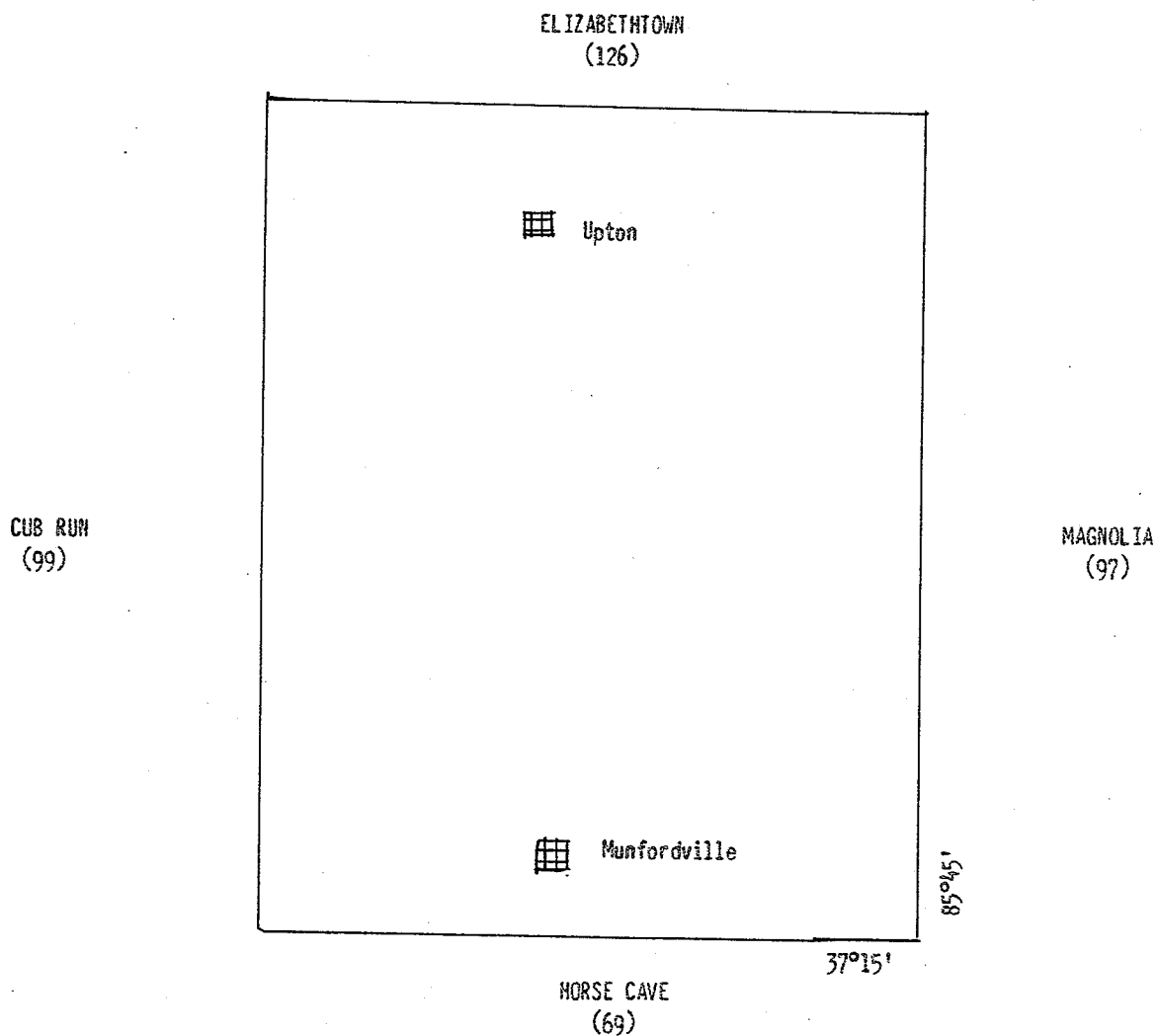
Hardin, Hart, and Larue Counties

Edition of 9/20/77

PR: CRV/rmm

Plane coordinates are based on Lambert
projection, Kentucky, South Zone

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch



DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

INDEX OF PERMANENT MARKS

MARK (USGS)

PAGE NO.

44 MCM 1922
47 MCM 1922 KY
PTS NO 23 Y 1922 KY MCM 43
PTS NO 24 Y 1922 KY
PTS NO 25 Y 1922 KY
PTS NO 27 Y 1922 KY MCM 46
PTS NO 29 Y 1922 KY
PTS NO 30 Y 1922 KY
1 P 1928
3 P 1928
4 P 1928
6 P 1928
7 P 1928
8 P 1928
9 P 1928
10 P 1928
TT 10 TN 1933
TT 11 TN 1933
TT 23 TN 1933
TT 25 TN 1933
TT 29 TN 1933 783
TT 30 TN 1933 816
TT 35 DWP 1948
TT 36 DWP 1948
TT 37 DWP 1948
TT 16 TWC 1948
TT 16 JRH 1951
TT 17 JRH 1951

6
3
3
6
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NGS

S 6 1921
T 6 1921
U 6 1921
V 6 1921
Y 6 1921

3
3
3
3
4

STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By R. H. Lyddan, 1933, Book D842

Melrose; on E. side of rd. at junction of I-rd. W.; 42 ft E. of SE. corner of Merediths Store; 16 ft SW. of SW. corner of barn opposite store; in limestone ledge; standard tablet stamped "PRIM TRAV STA NO 23 Y 1922 KY MCM 43"

X = 1,929,645	Y = 421,000	37 29 21.91	85 59 32.94
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By R. H. Lyddan, 1933; Book D845

Upton, about 0.2 mi N. of station, along Louisville and Nashville Railroad; at second crossing; 33 ft E. of E. rail of track; 20 ft S. of centerline of rd.; 40 ft N. of N. switch stand; in concrete post; NGS standard disk stamped "S 6 1921" (Reported disturbed, 1954)

X = 1,957,784	Y = 413,101	37 28 04.39	85 53 43.66
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Upton, 3.3 mi S. of, along L. & N. RR.; at crossing of old Dixie Highway; in NE. corner of right-of-way fence; 20 ft E. of centerline of track; in concrete post; NGS standard disk stamped "T 6 1921" (Not found, 1954)

X = 1,958,338	Y = 394,792	37 25 03.37	85 53 36.43
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Bonnieville, 1.5 mi N. of, along L. & N. RR.; at RR. overpass over graveled rd.; in E. concrete headwall; NGS standard disk stamped "U 6 1921"

X = 1,955,989	Y = 386,695	37 23 43.27	85 54 05.40
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Bonnieville; 125 ft N. of station; on right-of-way of L. & N. RR.; 25 ft W. of track; in concrete post; NGS stamped disk stamped "V 6 1921" (Reported destroyed, 1952)

X = 1,955,236	Y = 378,859	37 22 25.78	85 54 14.57
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Camp Ground School, 0.2 mi E. of, 3.1 mi E. of Priceville; 24 ft NE. of summit of rd.; 35 ft SE. of centerline of rd.; close to wire fence; in rock outcrop; standard tablet stamped "47 MCM 1922 KY" (Reported destroyed, 1967)

X = 1,945,334	Y = 380,270	37 22 39.55	85 56 17.28
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Priceville; in NW. corner of yard of Brock Craddock; 30 ft SE. of junction of I-rd. NW.; 1 ft from fence corner; in concrete post; standard tablet stamped "PRIM TRAV STA NO 27 Y 1922 KY MCM 46"

X = 1,931,048	Y = 378,895	37 22 25.64	85 59 14.23
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Bonnieville, 3.4 mi S. of, along U. S. Highway 31W; 65 ft S. and 50 ft E. of centerline of hwy. at junction of I-rd. E.; near top of hill; in concrete post; standard tablet stamped "T 10 TN 1933" (Not found, 1966)

X = 1,954,925	Y = 360,309	37 19 22.36	85 54 18.03
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STATION DESCRIPTION
PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

OBSOLETE MARKS (Cont'd.)

Munfordville, 0.2 mi N. of station, along L. & N. RR.; 234 ft N. of tool house; 45 ft E. of E. rail of main track; 40 ft S. of large oak tree; in concrete post; NGS standard disk stamped "Y 6 1921" (Reported disturbed, 1953)

X = 1,955,198

Y = 343,341

37 16 34.59

85 54 14.32

Munfordville, about 3.0 mi W. of, thence 1.4 mi SE.; between Spencer Bend and Hazilit Bend of Green River; 15 ft S. and 6 ft E. of NE. corner of barn of S. M. Lawson; in limestone rock; standard tablet stamped "IT 11 TN 1933" (Reported disturbed, 1953)

X = 1,945,107

Y = 334,720

37 15 09.17

85 56 18.97

Forestville, 500 ft NW. of post office; 150 ft S. of junction of dirt rd. E.; 6 ft N. of small cedar tree; in concrete post; standard tablet stamped "PRIM TRAV STA NO 30 Y 1922 KY" (Not found, 1966)

X = 1,928,013

Y = 340,147

37 16 02.44

85 59 50.57

By R. H. Lyddan, 1933; Book D847

Pike View, 3.3 mi N. of, along U. S. Highway 31E; 0.5 mi S. of Larue-Hart County line; at NW. corner of intersection of hwy. and E.-W. crossroad; in stone 1 ft by 0.8 ft at top, set in place; standard tablet stamped "10 P 1928" (Reported destroyed, 1954)

X = 1,998,314

Y = 396,807

37 25 23.60

85 45 20.89

Pike View; at SW. corner of crossroads; in W. end of third concrete step to front entrance of V. H. Iowles General Merchandise Store; standard tablet stamped "9 P 1928" (Reported disturbed, 1954)

X = 1,999,074

Y = 380,835

37 22 45.68

85 45 11.47

Pike View, 2.8 mi W. of; in NE. corner of crossroads; 30 ft NE. of crossroads; in top of stone 0.7 ft by 1.1 ft at top; standard tablet stamped "8 P 1928"

X = 1,986,778

Y = 380,090

37 22 38.28

85 47 43.80

Bird School, 1.2 mi N. of; 6.0 mi SE. of Bonnieville, thence 1.2 mi N. of, thence 1.0 mi NE. along Bardstown Road; 50 ft S. of rd. forks; 20 ft W. of rd.; in top of limestone outcrop; standard tablet stamped "7 P 1928"

X = 1,974,275

Y = 369,512

37 20 53.60

85 50 18.60

Bonnieville, 1.0 mi S. of, along U. S. Highway 31W, thence 1.8 mi SE., and thence 0.4 mi NE.; on W. side of Frenchmans Knob; 81 ft N. of gateway and lane SW. of farmhouse of Ellen Edsell; 700 ft S. of junction of rd. N.; at edge of woods along side of cleared field; 12 ft E. of centerline of rd.; in sandstone boulder 3.5 ft in diameter; standard tablet stamped "1 P 1928"

X = 1,963,373

Y = 371,886

37 21 16.95

85 52 33.63

STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

By R. H. Lyddan, 1933-1934; Book D947

Linwood, 0.35 mi N. of post office, along U. S. Highway 31E; at junction of rd. W.; 76 ft W. of centerline of hwy.; 28 ft S. of centerline of rd. W.; 57.5 ft NE. of NE. corner of house; 66 ft ENE. of drilled well; 7.5 ft SE. of 40-in. maple tree; 47.5 ft WSW. of concrete hwy. marker post; about 10 ft above hwy.; in limestone post flush with ground; standard tablet stamped "6 P 1928"

X = 1,998,121	Y = 367,684	37 20 35.65	85 45 23.26
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Linwood, 0.9 mi SE. of, thence 2.3 mi S.; inside of Watkins Bend; in Green River; 285 ft W. of Watkins Family Cemetery; 200 ft NE. of farmhouse; in concrete post; standard tablet stamped "11 23 TN 1933"

X = 1,998,514	Y = 353,376	37 18 14.17	85 45 18.37
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Hardyville, 1.9 mi SE. of; 670 ft N. of house which was formerly Stringtown School; 125 ft E. of centerline of rd.; 120 ft NW. of small pond; in partially embedded limestone boulder; standard tablet stamped "4 P 1928"

X = 1,997,697	Y = 340,642	37 16 08.26	85 45 23.50
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Hardyville, 0.2 mi NW. of junction of U. S. Highway 31E, along State Highway 88; 30 ft SW. of, and 1 ft higher than centerline of hwy. at junction of narrow graveled rd. W.; 36 ft S. of centerline of graveled rd.; on lawn of house with white metal siding; 42 ft NNW. of N. corner of house; 26 ft NW. of 30-in. mulberry tree; in limestone post; standard tablet stamped "3 P 1928"

X = 1,988,963	Y = 335,761	37 15 19.98	85 47 16.51
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Hardyville, 3.4 mi W. of; 3.9 mi E. of Woodsonville; 800 ft S. of right-angle turn in rd. W. to S.; 25 ft E. of centerline of rd.; 30 ft NW. of NW. corner of house owned by H. I. Sterett; in NW. corner of yard; in concrete post; standard tablet stamped "11 25 TN 1933"

X = 1,975,342	Y = 335,361	37 15 15.94	85 50 05.00
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Hammonville, 3.0 mi NW. of; 4.0 mi SE. of Upton; 400 ft NE. of house owned by Jack Morris; 30 ft E. of NE. corner of barn; on top of hill; in limestone rock; standard tablet stamped "11 29 TN 1933 783"

X = 1,972,542	Y = 399,514	37 25 50.23	85 50 40.42
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Hammonville, 1.8 mi N. of, along State Highway 357, from Baptist Church and Cemetery; 0.5 mi N. of Larue-Hart County line; 28 ft S. and 20 ft E. of, and 1 ft lower than centerline of hwy. at junction of graveled rd. E.; 58 ft W. of 24-in. ash tree near W. bank of large pond; 3 ft W. of fence corner, 1 ft S. of white witness post; in concrete post; standard tablet stamped "11 30 TN 1933 816"

X = 1,986,961	Y = 403,373	37 26 28.49	85 47 41.67
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STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

By D. W. Pinkston, 1948; Book AH 84

Barren Run Church, 2.1 mi SW. of; 550 ft E. of junction of I-rd. N.; 22 ft NNW. of center of grassy triangle formed by junction of I-rd. S.; 15 ft N. of centerline of E.-W. rd.; 2 ft N. of fence; in concrete post; standard tablet stamped "TI 35 DWP 1948"

X = 1,977,394	Y = 422,202	37 29 34.60	85 49 40.50
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Upont, 2.5 mi N. of, along U. S. Highway 31W, thence 1.5 mi E. along graveled rd.; 250 ft N. of residence of Jim McCorkle; 6 ft S. and 12 ft W. of centerline of rd. at junction of I-rd. W.; 2 ft E. of fenceline; in concrete post; standard tablet stamped "TI 36 DWP 1948"

X = 1,967,729	Y = 424,172	37 29 53.98	85 51 40.45
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Upton, 1.8 mi N. of, along U. S. Highway 31W; 25 ft E. of centerline of hwy.; 1 ft W. of wire fence; 1 ft N. of telephone pole; at fenceline and N. entrance to Sunset Camp; in concrete post; standard tablet stamped "TI 37 DWP 1948"

X = 1,960,842	Y = 421,999	37 29 32.41	85 53 05.88
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By I. W. Cayce, 1948; Book AH 90

Melrose, 1.4 mi NE. of; 0.8 mi E. of Flint Hill School, along graveled rd.; 16 ft S. of centerline of rd.; 13 ft E. of center of field rd. S.; in concrete post; standard tablet stamped "TI 16 TWC 1948" (Reported destroyed, 1954)

X = 1,934,796	Y = 424,086	37 29 52.57	85 58 29.12
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Upton, 2.8 mi NW. of; 40 ft E. of centerline of rd.; 360 ft SE. of residence of Dave Miller; 180 ft N. of red barn E. of rd.; 20 ft E. of wire fence; in limestone outcrop; standard tablet stamped "44 MCM 1922"

X = 1,948,728	Y = 418,627	37 28 58.87	85 55 36.11
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By J. R. Harris, 1951; Book AH 254

Upton, 4.5 mi W. of; 0.3 mi W. of store at Lucas Grove; in triangle formed by junction of I-rd. N.; in limestone ledge; standard tablet stamped "PRIM TRAV STA NO 24 Y 1922 KY"

X = 1,937,330	Y = 408,922	37 27 22.68	85 57 57.25
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Riders Mill, 2.0 mi NE. of; 450 ft SW. of Pleasant Hill Church; on W. side of rd.; at corner of timber; 30 ft E. of oak tree W. of rd.; in concrete post; standard tablet stamped "PRIM TRAV STA NO 25 Y 1922 KY"

X = 1,932,366	Y = 399,039	37 25 44.85	85 58 58.51
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STATION DESCRIPTION
PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

OBsolete MARKS (Cont'd.)

Kessinger, 2.6 mi NW. of post office, along graveled rd.; 0.3 mi SE. of Little Flock Missionary Baptist Church; 21 ft SW. of centerline of graveled rd.; 5 ft SE. of power pole; in concrete post; standard tablet stamped "TI 16 JRH 1951"

X = 1,931,806

Y = 362,833

37 19 46.84

85 59 04.35

Kessinger, 1.9 mi SW. of post office, along State Highway 88; 0.1 mi N. of White Star Grocery Store; at large curve in rd.; 28 ft SE. of centerline of hwy.; in NE. end of concrete culvert; standard tablet stamped "TI 17 JRH 1951"

X = 1,930,087

Y = 347,286

37 17 13.08

85 59 25.13

MARK TIED BY NGS

By J. R. Harris, 1951; Book AH 254

Kessinger; 450 ft W. of junction of State Highway 88, along Bacon Creek Road; in NE. corner of schoolyard; 19 ft W. of fence; in concrete post; standard tablet stamped "PRIM TRAV STA NO 29 Y 1922 KY" (Not found, 1966)

X = 1,938,736.90

Y = 354,511.12

37 18 24.723

85 57 38.296